

Worklist: 2380

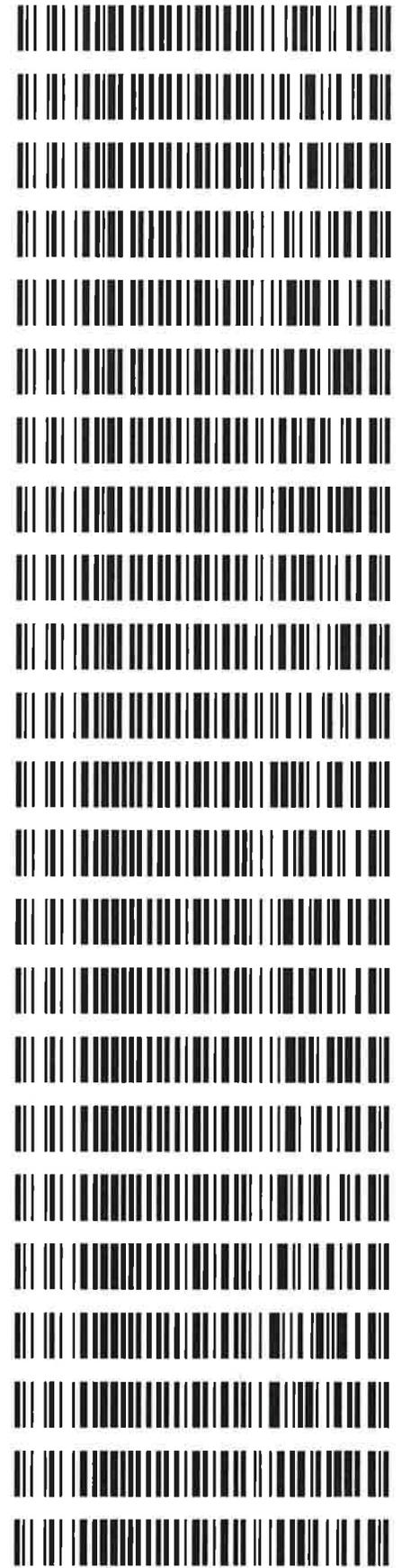
Am 7 Central File available upon request.

5/7/2018

P<sub>TS</sub>

A

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-1755	1	112177	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-1810	1	112390	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-1810	2	112394	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-1820	1	112476	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-1918	2	113146	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-1938	1	112978	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-2062	2	113732	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-2078	1	113697	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-2084	12	113738	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-2093	1	113751	AM 25 Blood Multi-Drug Screen by LC-QQQ
M2018-2226	1	114427	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-0934	1	111066	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1061	1	112666	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1109	2	113008	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1110	2	113012	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1126	1	113162	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1128	1	113170	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1145	1	113272	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1152	1	113357	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1161	1	113448	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1171	1	113590	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1213	1	113742	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1214	1	113775	AM 25 Blood Multi-Drug Screen by LC-QQQ



reviewed 5/22/18

Byylee

**Worklist: 2380**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2018-1239	1	114188	AM 25 Blood Multi-Drug Screen by LC-QQQ
P2018-1273	1	114388	AM 25 Blood Multi-Drug Screen by LC-QQQ



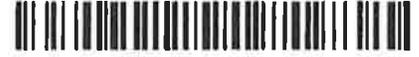
TS B

5/8/2018

B R

**Worklist: 2384**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-1198	1	115154	AM 25 Blood Multi-Drug Screen by LC-QQQ



# AM# 25: Multi-Drug Screen in Blood by LC-MS/MS

TS B

Extraction Date: 05/07/18

Analyst: Sarah Pickle

Plate lot#: 0515207

Plate Expiration: 10/18/18

**Mobile phase A:** 10mM Amm Form  
0.5M Ammonium Hydroxide

**Mobile phase B:** 0.1% Formic Acid in MeOH  
Ethyl Acetate LC Methanol

**Blank Blood Lot:** 361331-2

**Column:** Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

**LCMS-QQQ ID:** 59740

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 3. Create worklist: Data Path Name: \_\_\_\_\_

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: #3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 100% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Open quantitation software and create a new quantitation batch.  
Batch Name: 050718 MDS SP worklist 2380  
Worklist path: MDS P1 050818 SP reinject, MDS P2 050818 SP reinject
- 2. Make necessary changes to integration limits
- 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. > 1/3 the response of administrative control.
- 4. Did all QCs pass for each analyte? Y / N \_\_\_\_\_
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Samples were extracted on 5/7/18. The samples were reconstituted and reinjected on 5/8/18 due to contamination in Mobile Phase A that was resolved before reinjection.*

*Did not evaluate Phentermine and Maprotiline due to low response and S/N in the secondary ion.*

# AM# 25: Multi-Drug Screen in Blood by LC-MS/MS

TS  
SA

Extraction Date: 05/07/18  
Plate lot#: 0515207

Analyst: Tamara Salazar  
Plate Expiration: 10/18/18

**Mobile phase A:** 10mM Amm Form  
0.5M Ammonium Hydroxide

**Mobile phase B:** 0.1% Formic Acid in MeOH  
Ethyl Acetate LC Methanol

**Blank Blood Lot:** 361331-2

**Column:** Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

**LCMS-QQQ ID:** 59740

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 3. Create worklist: Data Path Name: \_\_\_\_\_

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 100% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Extraction performed with Sarah Rice acting as the primary analyst. I witnessed and approved of all steps performed in the method. - TS

## Post-Analytic

- 1. Open quantitation software and create a new quantitation batch. *MDS P1 050818 SP reinject*  
Batch Name: 050718 MDS wkst 2380 SP Worklist path: MDS P2 050818 SP reinject
- 2. Make necessary changes to integration limits
- 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. > 1/3 the response of administrative control.
- 4. Did all QCs pass for each analyte? Y / N \_\_\_\_\_
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Sample originally extracted with worklist # 2321. Due to the absence of the morphine internal standard peak, the sample was held and re-extracted. - TS

\* Due to contamination in the mobile phase, all samples were reconstituted and reinject on 05/08/18. This occurred after the contamination was corrected. - TS

• Not evaluated: Phentermine



# Idaho State Police Forensic Services

TS B

## AM #25 Blood Multi-Drug Screen by LCMS-QQQ

**Analyst: Sarah Pickle and Tamara Salazar**

**Extraction Date: 05/07/18**

**Worklist Number: 2380 and 2384**

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Screening Plate	0515207	10/18/18			
Negative Blood	361331-2		12/27/17		
Methanol External Control Solution	042618	04/26/19	04/26/18		
Blood External Control Solution	WS042618	04/26/19	04/26/18		
0.5M Ammonium Hydroxide	032918	9/29/18	3/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/05/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		1/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		8/3/07		
Ethyl Acetate(ACS grade or better)	100362		6/26/17		
10mM Ammonium Formate in LCMS Water (Mobile Phase A)	050818		05/08/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	050718		05/07/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	050718		05/07/18		

**Methanol External Control Solution (Lot: 042618)**

*100 ul of 1mg/mL stock was added to each drug to 9600 ul of LC MeOH.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	177145	
Oxycodone	Cerilliant	FE01181701	March 2022
Diazepam	Cerilliant	FE05201602	June 2021
Metoprolol	Cerilliant	FN06091510	July 2020
Meperidine	Cerilliant	FE01271602	June 2021
Prepared:	04/26/18		
Prepared By:	Tamara Salazar		
Expires:	04/26/19		

**Blood External Control Solution (Lot: 042618)**

100 ul of methanol external control solution was added to 9900 ul of blood.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	361331-2
Methanol External Control Solution		042618
Prepared:	04/26/18	
Prepared by:	Tamara Salazar	
Expires:	04/26/19	

**0.5M Ammonium Hydroxide (Lot: 032918)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	03/29/18	
Prepared By:	Tamara Salazar	
Expires:	09/29/18	

**10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 050818)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Prepared:	05/08/18	
Prepared By:	Tamara Salazar	
Comment:	050718 lot had cocaine contamination	

**0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 050718)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	05/07/18	
Prepared By:	Sarah Pickle	

**Needle Rinse (75% LCMS MeOH in LCMS Water)(Lot: 050718)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	05/07/18	
Prepared By:	Sarah Pickle	

Compound Name			p1 cal la reinject			p1 cal la reinject results			Qualifier   MI...			IS ID Method			IS ID Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.			
6-MAM	328.2 -> 165...	5/8/2018 10:40 AM	4.736	1284	593.27	328.2 -> 211...	243	10.26	6-MAM-D6	334.2 -> 165...	4.735	43603					
7-aminoclonazepam	286.1 -> 121...	5/8/2018 10:40 AM	5.436	7793	15.06	286.1 -> 222...	2902	308.66	7-Aminoclonazepam-D4	290.1 -> 121...	5.415	39204					
Acetyl Fentanyl	323.2 -> 105...	5/8/2018 10:40 AM	5.552	6759	22.70	323.2 -> 188...	2099	11.49	Acetyl Fentanyl-D5	328.2 -> 105...	5.550	1041129					
Acetyl Norfentanyl	219.1 -> 84.2	5/8/2018 10:40 AM	4.751	10086	78.86	219.1 -> 56.3	1568	401.29	Acetyl Ncrtfentanyl-D5	224.2 -> 84.2	4.710	378458					
a-hydroxyalprazolam	325.1 -> 297...	5/8/2018 10:40 AM	6.220	8060	20.88	325.1 -> 215...	1167	551.96	a-hydroxyalprazolam-D5	330.1 -> 302...	6.199	46659					
alpha-PVP	232.2 -> 91.0	5/8/2018 10:40 AM	5.341	44145	8432.12	232.2 -> 77.1	24742	13.19	alpha-PVP-d8	240.2 -> 91.1	5.339	422835					
Alprazolam	309.1 -> 281...	5/8/2018 10:40 AM	6.306	102090	96.82	309.1 -> 205...	38034	274.05	Alprazolam-D5	314.1 -> 286...	6.285	457471					
Amphetamine	136.1 -> 91.1	5/8/2018 10:40 AM	4.632	33772	Infinity	136.1 -> 119...	9407	3729.11	Amphetamine-D11	147.2 -> 130...	4.611	2010					
Bupropion	240.1 -> 184...	5/8/2018 10:40 AM	5.503	4450	664.83	240.1 -> 131...	5418	14.18	Bupropion-D9	249.2 -> 185...	5.502	12780					
Carisoprodol	261.2 -> 176...	5/8/2018 10:40 AM	5.949	31848	254.23	261.2 -> 55.3	39219	7009.68	Carisoprodol-D7	268.2 -> 183...	5.949	58332					
Citalopram	325.2 -> 109...	5/8/2018 10:40 AM	5.814	153700	7173.05	325.2 -> 262...	35015	7664.06	Citalopram-D6	331.2 -> 109...	5.793	305724					
Clonazepam	316.1 -> 269...	5/8/2018 10:40 AM	6.163	20918	2429.25	316.1 -> 213...	2319	6.24	Clonazepam-D4	320.1 -> 217...	6.142	19076					
Codeine	300.2 -> 215...	5/8/2018 10:40 AM	4.618	7059	64.92	300.2 -> 165...	8228	11.70	Codeine-D6	306.2 -> 218...	4.596	41245					
Cyclobenzaprine	276.2 -> 214...	5/8/2018 10:40 AM	6.028	58718	11485.53	276.2 -> 231...	28138	6422.35	Cyclobenzaprine-D3	279.2 -> 215...	6.027	357562					
Dextromethorphan	272.2 -> 171...	5/8/2018 10:40 AM	5.805	75774	12930.31	272.2 -> 147...	62861	9481.98	Dextromethorphan-D3	275.2 -> 171...	5.805	224845					
Dextropropam	258.2 -> 157...	5/8/2018 10:40 AM	5.235	38766	82.04	258.2 -> 133...	47180	9056.05	Dextropropam-D3	261.2 -> 157...	5.214	241639					
Diazepam	285.1 -> 193...	5/8/2018 10:40 AM	6.512	35430	197.68	285.1 -> 153...	52931	404.76	Diazepam-D5	290.1 -> 198...	6.491	164414					
Dihydrocodeine	302.2 -> 198...	5/8/2018 10:40 AM	4.597	15084	1739.24	302.2 -> 128...	15024	42.21	Dihydrocodeine-D6	308.2 -> 202...	4.576	73002					
Diphenhydramine	256.2 -> 167...	5/8/2018 10:40 AM	5.766	98201	16872.37	256.2 -> 152...	56256	213.18	Diphenhydramine-D3	259.2 -> 167...	5.766	956317					
Doxylamine	271.2 -> 182...	5/8/2018 10:40 AM	5.439	91148	177.16	271.2 -> 167...	1605	73274	Doxylamine-D5	276.2 -> 187...	5.438	240591					
EDDP	279.2 -> 235...	5/8/2018 10:40 AM	5.823	206298	582.62	279.2 -> 250...	1085	9910.00	EDDP-D3	282.2 -> 235...	5.823	94382					
Fentanyl	337.2 -> 105...	5/8/2018 10:40 AM	5.752	6562	28.89	337.2 -> 188...	3487	19.73	Fentanyl-D5	342.3 -> 105...	5.751	823931					
Fluoxetine	310.1 -> 44.3	5/8/2018 10:40 AM	6.021	288587	959.51	310.1 -> 148...	6208	41.73	Fluoxetine-D6	316.2 -> 44.3	6.000	1317088					
Hydrocodone	300.2 -> 198...	5/8/2018 10:40 AM	4.821	23727	4733.21	300.2 -> 128...	17605	39.16	Hydrocodone-D6	306.2 -> 202...	4.819	166155					
Hydromorphone	286.2 -> 184...	5/8/2018 10:40 AM	4.177	13672	4596.23	286.2 -> 157...	21220	17555...	Hydromorphone-D6	292.2 -> 185...	4.176	82018					
Ketamine	238.1 -> 125...	5/8/2018 10:40 AM	5.197	85405	30.06	238.1 -> 220...	17706	23.29	Ketamine-D4	242.1 -> 129...	5.196	367383					
Meprobamate	219.1 -> 158...	5/8/2018 10:40 AM	5.485	12577	48.55	219.1 -> 97.1	4533	15.83	Meprobamate-D7	226.2 -> 165...	5.484	7698					
Methadone	310.2 -> 265...	5/8/2018 10:40 AM	6.082	215844	59136.22	310.2 -> 105...	1249	4382.59	Methadone-D9	319.3 -> 268...	6.061	830378					
Methamphetamine	150.1 -> 91.1	5/8/2018 10:40 AM	4.813	74938	Infinity	150.1 -> 119...	15012	19.05	Methamphetamine-D11	161.2 -> 97.1	4.772	72842					
Morphine	286.2 -> 201...	5/8/2018 10:40 AM	3.895	5148	26.93	286.2 -> 165...	4809	6.06	Morphine-D6	292.2 -> 152...	3.813	10163					
Naloxone	328.2 -> 309...	5/8/2018 10:40 AM	4.574	29715	18733.08	328.2 -> 211...	3663	10.06	Naloxone-D5	333.2 -> 315...	4.533	73474					
Naltrexol	344.2 -> 326...	5/8/2018 10:40 AM	4.775	97924	169.11	344.2 -> 308...	21840	279.10	Naltrexol-D3	347.2 -> 329...	4.775	140088					
Naltrexone	342.2 -> 324...	5/8/2018 10:40 AM	4.715	37350	48.86	342.2 -> 55.3	18190	1667.28	Naltrexone-D3	345.2 -> 327...	4.714	203885					
Norbuprenorphine	414.3 -> 101...	5/8/2018 10:40 AM	5.607	1928	388.49	414.3 -> 57.3	4839	1158.63	Norbuprenorphine-D3	417.3 -> 101...	5.587	5688					
Nordiazepam	271.1 -> 140...	5/8/2018 10:40 AM	6.354	22701	55.44	271.1 -> 208...	8581	69.17	Nordiazepam-D5	276.1 -> 140...	6.353	71900					
Norfentanyl	233.2 -> 84.2	5/8/2018 10:40 AM	5.177	137287	30258.37	233.2 -> 55.3	40846	2579.76	Norfentanyl-D5	238.2 -> 84.2	5.156	655943					
Norhydrocodone	286.2 -> 199...	5/8/2018 10:40 AM	4.782	3319	16.27	286.2 -> 171...	1955	507.34	Norhydrocodone-D3	289.2 -> 202...	4.781	57543					
Noroxycodone	302.1 -> 284...	5/8/2018 10:40 AM	4.719	10093	1839.66	302.1 -> 186...	5889	1329.03	Noroxycodone-D3	305.2 -> 287...	4.718	61796					
O-desmethyl-tramadol	250.2 -> 58.3	5/8/2018 10:40 AM	4.768	284664	269.31	250.2 -> 42.3	6605	4398.94	O-desmethyl-tramadol-...	256.2 -> 64.3	4.768	705814					
Oxazepam	287.1 -> 298...	5/8/2018 10:40 AM	6.208	6514	1375.42	287.1 -> 268...	8389	3.78	Oxazepam-D5	292.2 -> 246...	6.187	53542					
Oxycodone	316.2 -> 240...	5/8/2018 10:40 AM	4.757	69736	Infinity	316.2 -> 241...	11778	26.72	Oxycodone-D6	322.2 -> 304...	4.737	145549					
Oxymorphone	302.1 -> 284...	5/8/2018 10:40 AM	4.012	48088	Infinity	302.1 -> 227...	5934	10.27	Oxymorphone-D3	305.2 -> 287...	4.011	223125					
Phentermine	150.1 -> 65.2	5/8/2018 10:40 AM	4.976	9447	Infinity	150.1 -> 133...	302	1.95	Phentermine-D5	155.2 -> 96.2	4.955	152716					
Promethazine	285.1 -> 86.2	5/8/2018 10:40 AM	5.985	231468	Infinity	285.1 -> 71.3	41808	10058...	Promethazine-D3	288.2 -> 89.2	5.984	901198					
Quetiapine	384.2 -> 253...	5/8/2018 10:40 AM	5.954	176275	32896.32	384.2 -> 221...	77122	155.73	Quetiapine-D3	392.2 -> 226...	5.933	196433					
Sertraline	306.1 -> 158...	5/8/2018 10:40 AM	6.206	130779	283.26	306.1 -> 275...	55224	9842.95	Sertraline-D8	309.1 -> 275...	6.205	466972					
Sufentanil	387.2 -> 238...	5/8/2018 10:40 AM	5.974	6369	971.75	387.2 -> 111...	6446	1361.79	Sufentanil-D5	392.2 -> 238...	5.953	238700					
Temazepam	301.1 -> 255...	5/8/2018 10:40 AM	6.349	79834	24238.82	301.1 -> 283...	25624	10.06	Temazepam-D5	306.1 -> 260...	6.328	480092					

Compounda metnod		p i cal la reinject		p i cal la reinject results		Qualiter i m...		Qualiter i Results		IS IL Method		IS IL Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Ml	Transition	Area	S/N	Ml	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	5/8/2018 10:40 AM	5.275	328965	48.06	∞	264.2 -> 43.3	3989	648.93	∞	Tramadol-13C-D3	268.2 -> 58.3	5.254	1356342
Trazodone	372.2 -> 176...	5/8/2018 10:40 AM	5.832	175920	34943.02	∞	372.2 -> 148...	1663...	25833...	∞	Trazodone-D6	378.2 -> 182...	5.812	526234
Venlafaxine	278.2 -> 58.3	5/8/2018 10:40 AM	5.580	256961	Infinity	∞	278.2 -> 260...	13741	51.86	∞	Venlafaxine-D6	284.2 -> 64.3	5.579	649483
Zolpidem	308.2 -> 235...	5/8/2018 10:40 AM	5.596	163825	30934.71	∞	308.2 -> 263...	47814	Infinity	∞	Zolpidem-D6	314.2 -> 235...	5.594	1145027

Did not evaluate Phentermine due to low response and signal to noise.

Compound Name										p1 external control re...					p1 external control reproject Res...					Qualifier I Results					ISLJ Method					ISLJ Results				
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.						
6-MAM	328.2 -> 165...	5/8/2018 11:19 AM					328.2 -> 211...				328.2 -> 211...				6-MAM-D6		4.756	61720			334.2 -> 165...				6-MAM-D6		4.756	61720						
7-aminoclonazepam	286.1 -> 121...	5/8/2018 11:19 AM					286.1 -> 222...				286.1 -> 222...				7-Aminoclonazepam-D4		5.435	40313			290.1 -> 121...				7-Aminoclonazepam-D4		5.435	40313						
Acetyl Fentanyl	323.2 -> 105...	5/8/2018 11:19 AM					323.2 -> 188...				323.2 -> 188...				Acetyl Fentanyl-D5		5.570	13776...			328.2 -> 105...				Acetyl Fentanyl-D5		5.570	13776...						
Acetyl Norfentanyl	219.1 -> 84.2	5/8/2018 11:19 AM	4.771	200	74.97		219.1 -> 56.3				219.1 -> 56.3			Acetyl Norfentanyl-D5		4.731	442877			219.1 -> 56.3				Acetyl Norfentanyl-D5		4.731	442877							
a-hydroxyalprazolam	325.1 -> 297...	5/8/2018 11:19 AM					325.1 -> 215...				325.1 -> 215...				a-hydroxyalprazolam-D5		6.219	69531			325.1 -> 215...				a-hydroxyalprazolam-D5		6.219	69531						
alpha-PVP	232.2 -> 91.0	5/8/2018 11:19 AM	6.164	3169	4.80		232.2 -> 77.1				232.2 -> 77.1			alpha-PVP-d8		5.360	484215			232.2 -> 77.1				alpha-PVP-d8		5.360	484215							
Alprazolam	309.1 -> 281...	5/8/2018 11:19 AM					309.1 -> 205...	109	0.64		309.1 -> 205...				Alprazolam-D5		6.305	597590			309.1 -> 205...				Alprazolam-D5		6.305	597590						
Amphetamine	136.1 -> 91.1	5/8/2018 11:19 AM					136.1 -> 119...				136.1 -> 119...				Amphetamine-D11		4.611	5646			136.1 -> 119...				Amphetamine-D11		4.611	5646						
Bupropion	240.1 -> 184...	5/8/2018 11:19 AM					240.1 -> 131...				240.1 -> 131...				Bupropion-D9		5.523	2947			240.1 -> 131...				Bupropion-D9		5.523	2947						
Carisoprodol	261.2 -> 176...	5/8/2018 11:19 AM					261.2 -> 55.3				261.2 -> 55.3				Carisoprodol-D7		5.969	88903			261.2 -> 55.3				Carisoprodol-D7		5.969	88903						
Citalopram	325.2 -> 109...	5/8/2018 11:19 AM	5.834	146	1.13		325.2 -> 262...				325.2 -> 262...				Citalopram-D6		5.813	452983			325.2 -> 262...				Citalopram-D6		5.813	452983						
Clonazepam	316.1 -> 269...	5/8/2018 11:19 AM	6.325	1178	3.06		316.1 -> 213...				316.1 -> 213...				Clonazepam-D4		6.162	25069			316.1 -> 213...				Clonazepam-D4		6.162	25069						
Codeine	300.2 -> 215...	5/8/2018 11:19 AM	4.760	35	0.34		300.2 -> 165...				300.2 -> 165...				Codeine-D6		4.616	46124			300.2 -> 165...				Codeine-D6		4.616	46124						
Cyclobenzaprine	276.2 -> 174...	5/8/2018 11:19 AM	6.069	82	0.82		276.2 -> 231...	64	0.44		276.2 -> 231...				Cyclobenzaprine-D3		6.047	429281			276.2 -> 231...				Cyclobenzaprine-D3		6.047	429281						
Dextromethorphan	272.2 -> 211...	5/8/2018 11:19 AM	5.845	352	17.63		272.2 -> 147...	289	0.90		272.2 -> 147...				Dextromethorphan-D3		5.825	274380			272.2 -> 147...				Dextromethorphan-D3		5.825	274380						
Dextropropion	258.2 -> 157...	5/8/2018 11:19 AM	5.256	110	3.74		258.2 -> 133...				258.2 -> 133...				Dextropropion-D3		5.235	297228			258.2 -> 133...				Dextropropion-D3		5.235	297228						
Diazepam	285.1 -> 193...	5/8/2018 11:19 AM	6.533	644572	Infinity		285.1 -> 153...	9775...	Infinity		285.1 -> 153...				Diazepam-D5		6.511	246712			285.1 -> 153...				Diazepam-D5		6.511	246712						
Dihydrocodeine	302.2 -> 198...	5/8/2018 11:19 AM	5.929	244	4.35		302.2 -> 128...				302.2 -> 128...				Dihydrocodeine-D6		4.576	96583			302.2 -> 128...				Dihydrocodeine-D6		4.576	96583						
Diphenhydramine	256.2 -> 167...	5/8/2018 11:19 AM	5.479	397	1.46		256.2 -> 152...				256.2 -> 152...				Diphenhydramine-D3		5.786	13131...			256.2 -> 152...				Diphenhydramine-D3		5.786	13131...						
Doxylamine	271.2 -> 182...	5/8/2018 11:19 AM	5.479	397	1.46		271.2 -> 167...	700	1.54		271.2 -> 167...				Doxylamine-D5		5.458	375067			271.2 -> 167...				Doxylamine-D5		5.458	375067						
EDDP	279.2 -> 235...	5/8/2018 11:19 AM	5.681	94	1.62		279.2 -> 250...	339	184.32		279.2 -> 250...				EDDP-D3		5.844	92990			279.2 -> 250...				EDDP-D3		5.844	92990						
Fentanyl	337.2 -> 105...	5/8/2018 11:19 AM	5.981	1888	10.91		337.2 -> 188...				337.2 -> 188...				Fentanyl-D5		5.772	10520...			337.2 -> 188...				Fentanyl-D5		5.772	10520...						
Fluoxetine	310.1 -> 44.3	5/8/2018 11:19 AM					310.1 -> 148...				310.1 -> 148...				Fluoxetine-D6		6.020	15538...			310.1 -> 148...				Fluoxetine-D6		6.020	15538...						
Hydrocodone	300.2 -> 198...	5/8/2018 11:19 AM					300.2 -> 128...				300.2 -> 128...				Hydrocodone-D6		4.819	236710			300.2 -> 128...				Hydrocodone-D6		4.819	236710						
Hydromorphone	286.2 -> 184...	5/8/2018 11:19 AM	4.036	17	0.34		286.2 -> 157...				286.2 -> 157...				Hydromorphone-D6		4.176	126176			286.2 -> 157...				Hydromorphone-D6		4.176	126176						
Ketamine	238.1 -> 125...	5/8/2018 11:19 AM	5.156	2109	280.78		238.1 -> 220...	644	6.50		238.1 -> 220...				Ketamine-D4		5.196	622417			238.1 -> 220...				Ketamine-D4		5.196	622417						
Meperidine	219.1 -> 158...	5/8/2018 11:19 AM					219.1 -> 97.1				219.1 -> 97.1				Meperidine-D7		5.505	11177			219.1 -> 97.1				Meperidine-D7		5.505	11177						
Methadone	310.2 -> 265...	5/8/2018 11:19 AM	6.082	1181	2.96		310.2 -> 105...	1325	10.07		310.2 -> 105...				Methadone-D9		6.081	11048...			310.2 -> 105...				Methadone-D9		6.081	11048...						
Methamphetamine	150.1 -> 91.1	5/8/2018 11:19 AM	4.874	27519	4.08		150.1 -> 119...				150.1 -> 119...				Methamphetamine-D11		4.772	144412			150.1 -> 119...				Methamphetamine-D11		4.772	144412						
Morphine	286.2 -> 201...	5/8/2018 11:19 AM	3.795	57	1.69		286.2 -> 165...	36	0.53		286.2 -> 165...				Morphine-D6		3.853	16088			286.2 -> 165...				Morphine-D6		3.853	16088						
Naloxone	328.2 -> 309...	5/8/2018 11:19 AM	4.574	454	0.88		328.2 -> 211...				328.2 -> 211...				Naloxone-D5		4.553	81333			328.2 -> 211...				Naloxone-D5		4.553	81333						
Naltrexol	344.2 -> 326...	5/8/2018 11:19 AM	4.714	5452	17.36		344.2 -> 308...				344.2 -> 308...				Naltrexol-D3		4.775	200701			344.2 -> 308...				Naltrexol-D3		4.775	200701						
Naltrexone	342.2 -> 324...	5/8/2018 11:19 AM					342.2 -> 55.3				342.2 -> 55.3				Naltrexone-D3		4.714	247146			342.2 -> 55.3				Naltrexone-D3		4.714	247146						
Norbuprenorphine	414.3 -> 101...	5/8/2018 11:19 AM	5.810	474	113.47		414.3 -> 57.3	164	50.46		414.3 -> 57.3				Norbuprenorphine-D3		5.627	5964			414.3 -> 57.3				Norbuprenorphine-D3		5.627	5964						
Nordiazepam	271.1 -> 140...	5/8/2018 11:19 AM	6.212	633	1.16		271.1 -> 208...	1101	5.62		271.1 -> 208...				Nordiazepam-D5		6.373	96717			271.1 -> 208...				Nordiazepam-D5		6.373	96717						
Norfentanyl	233.2 -> 84.2	5/8/2018 11:19 AM					233.2 -> 55.3				233.2 -> 55.3				Norfentanyl-D5		5.176	793610			233.2 -> 55.3				Norfentanyl-D5		5.176	793610						
Norhydrocodone	286.2 -> 199...	5/8/2018 11:19 AM					286.2 -> 171...				286.2 -> 171...				Norhydrocodone-D3		4.802	70529			286.2 -> 171...				Norhydrocodone-D3		4.802	70529						
Noroxycodone	302.1 -> 284...	5/8/2018 11:19 AM					302.1 -> 186...				302.1 -> 186...				Noroxycodone-D3		4.739	79214			302.1 -> 186...				Noroxycodone-D3		4.739	79214						
O-desmethyl-tramadol	250.2 -> 58.3	5/8/2018 11:19 AM	4.850	29278	Infinity		250.2 -> 42.3	1388	334.88		250.2 -> 42.3				O-desmethyl-tramadol...		4.788	939821			250.2 -> 42.3				O-desmethyl-tramadol...		4.788	939821						
Oxazepam	287.1 -> 240...	5/8/2018 11:19 AM	6.350	160	1.87		287.1 -> 268...	1438	0.63		287.1 -> 268...				Oxazepam-D5		6.207	67651			287.1 -> 268...				Oxazepam-D5		6.207	67651						
Oxycodone	316.2 -> 298...	5/8/2018 11:19 AM	4.777	10969...	Infinity		316.2 -> 241...	2292...	Infinity		316.2 -> 241...				Oxycodone-D6		4.757	203050			316.2 -> 241...				Oxycodone-D6		4.757	203050						
Oxymorphone	302.1 -> 284...	5/8/2018 11:19 AM	3.952	692	0.75		302.1 -> 227...				302.1 -> 227...				Oxymorphone-D3		3.991	273845			302.1 -> 227...				Oxymorphone-D3		3.991	273845						
Penthermine	150.1 -> 65.2	5/8/2018 11:19 AM	4.874	5048	0.77		150.1 -> 133...				150.1 -> 133...				Penthermine-D5		4.955	300210			150.1 -> 133...				Penthermine-D5		4.955	300210						

Compounda metnod		p   external control re...				p   external control reinject Res...				Qualimer   Met...				ISU metnod				ISU results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp	RT	Resp			
Tramadol	264.2 -> 58.3	5/8/2018 11:19 AM	5.275	12700	1.20	264.2 -> 43.3	1081	3.61	Tramadol-13C-D3	268.2 -> 58.3	5.275	19082...							
Trazodone	372.2 -> 176...	5/8/2018 11:19 AM	5.853	681	21.36	372.2 -> 148...	980	282.99	Trazodone-D6	378.2 -> 182...	5.832	647829							
Venlafaxine	278.2 -> 58.3	5/8/2018 11:19 AM				278.2 -> 260...			Venlafaxine-D6	284.2 -> 64.3	5.599	832454							
Zolpidem	308.2 -> 235...	5/8/2018 11:19 AM	5.839	367	86.82	308.2 -> 263...			Zolpidem-D6	314.2 -> 235...	5.614	15214...							

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Compounda wietnoda				p i negative reinject results				Qualimer i w...				ISU wietnoda				ISU Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.			
6-MAM	328.2 -> 165...	5/8/2018 11:00 AM	4.756	322	130.68	1	328.2 -> 211...			1	6-MAM-D6	334.2 -> 165...	4.756	62632			
7-aminoclonazepam	286.1 -> 121...	5/8/2018 11:00 AM	5.354	142	46.42	1	286.1 -> 222...	267	131.46	1	7-Aminoclonazepam-D4	290.1 -> 121...	5.435	50598			
Acetyl Fentanyl	323.2 -> 105...	5/8/2018 11:00 AM				1	323.2 -> 188...			1	Acetyl Fentanyl-D5	328.2 -> 105...	5.570	12086...			
Acetyl Norfentanyl	219.1 -> 84.2	5/8/2018 11:00 AM	5.997	405	3.45	1	219.1 -> 56.3			1	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.731	413478			
a-hydroxyalprazolam	325.1 -> 297...	5/8/2018 11:00 AM				1	325.1 -> 215...			1	a-hydroxyalprazolam-D5	330.1 -> 302...	6.220	55498			
a pha-PVP	232.2 -> 91.0	5/8/2018 11:00 AM	6.164	2302	373.40	1	232.2 -> 77.1	96	0.64	1	alpha-PVP-d8	240.2 -> 91.1	5.360	328828			
Alprazolam	309.1 -> 281...	5/8/2018 11:00 AM	4.510	685	Infinity	1	309.1 -> 205...	172	2.00	1	Alprazolam-D5	314.1 -> 286...	6.305	593877			
Amphetamine	136.1 -> 91.1	5/8/2018 11:00 AM				1	136.1 -> 119...			1	Amphetamine-D11	147.2 -> 130...	4.611	7331			
Bupropion	240.1 -> 184...	5/8/2018 11:00 AM				1	240.1 -> 131...			1	Bupropion-D9	249.2 -> 185...	5.502	772			
Carisoprodol	261.2 -> 176...	5/8/2018 11:00 AM	5.834	534	1.92	1	261.2 -> 55.3			1	Carisoprodol-D7	268.2 -> 183...	5.949	88635			
Citalopram	325.2 -> 109...	5/8/2018 11:00 AM	6.142	155	1.15	1	325.2 -> 262...			1	Citalopram-D6	331.2 -> 109...	5.813	372380			
Clonazepam	316.1 -> 269...	5/8/2018 11:00 AM				1	316.1 -> 213...			1	Clonazepam-D4	320.1 -> 217...	6.162	24981			
Codeine	300.2 -> 215...	5/8/2018 11:00 AM				1	300.2 -> 165...			1	Codeine-D6	306.2 -> 218...	4.616	49233			
Cyclobenzaprine	276.2 -> 214...	5/8/2018 11:00 AM	6.048	241	1.27	1	276.2 -> 231...	346	34.63	1	Cyclobenzaprine-D3	279.2 -> 215...	6.047	400756			
Dextromethorphan	272.2 -> 171...	5/8/2018 11:00 AM	5.927	309	2.19	1	272.2 -> 147...	479	2.21	1	Dextromethorphan-D3	275.2 -> 171...	5.825	246873			
Dextropropfan	258.2 -> 157...	5/8/2018 11:00 AM	5.338	188	1.23	1	258.2 -> 133...			1	Dextropropfan-D3	261.2 -> 157...	5.235	260824			
Diazepam	285.1 -> 193...	5/8/2018 11:00 AM				1	285.1 -> 153...			1	Diazepam-D5	290.1 -> 198...	6.511	234166			
Dihydrocodeine	302.2 -> 198...	5/8/2018 11:00 AM	5.726	127	63.46	1	302.2 -> 128...			1	Dihydrocodeine-D6	308.2 -> 202...	4.576	93653			
Diphenhydramine	256.2 -> 167...	5/8/2018 11:00 AM	5.602	572	0.47	1	256.2 -> 152...			1	Diphenhydramine-D3	259.2 -> 167...	5.786	11797...			
Doxylamine	271.2 -> 182...	5/8/2018 11:00 AM	5.885	85	2.82	1	271.2 -> 167...	793	364.98	1	Doxylamine-D5	276.2 -> 187...	5.458	332812			
EDDP	279.2 -> 235...	5/8/2018 11:00 AM	5.772	73	0.41	1	279.2 -> 250...	24	1.58	1	EDDP-D3	282.2 -> 235...	5.844	74723			
Fentanyl	337.2 -> 105...	5/8/2018 11:00 AM	5.981	4040	7.53	1	337.2 -> 188...			1	Fentanyl-D5	342.3 -> 105...	5.751	954762			
Fluoxetine	310.1 -> 44.3	5/8/2018 11:00 AM				1	310.1 -> 148...			1	Fluoxetine-D6	316.2 -> 44.3	6.020	125556...			
Hydrocodone	300.2 -> 198...	5/8/2018 11:00 AM				1	300.2 -> 128...			1	Hydrocodone-D6	306.2 -> 202...	4.819	224367			
Hydromorphone	286.2 -> 184...	5/8/2018 11:00 AM				1	286.2 -> 157...			1	Hydromorphone-D6	292.2 -> 185...	4.176	114285			
Ketamine	238.1 -> 125...	5/8/2018 11:00 AM	5.197	1618	1.99	1	238.1 -> 220...	27	0.66	1	Ketamine-D4	242.1 -> 129...	5.196	533674			
Meprobamate	219.1 -> 158...	5/8/2018 11:00 AM	5.423	731	2.48	1	219.1 -> 97.1	48	0.81	1	Meprobamate-D7	226.2 -> 165...	5.505	11062			
Methadone	310.2 -> 265...	5/8/2018 11:00 AM				1	310.2 -> 105...			1	Methadone-D9	319.3 -> 268...	6.081	962807			
Methamphetamine	150.1 -> 91.1	5/8/2018 11:00 AM	4.854	28043	3.21	1	150.1 -> 119...			1	Methamphetamine-D11	161.2 -> 97.1	4.772	132687			
Morphine	286.2 -> 201...	5/8/2018 11:00 AM	4.117	189	0.83	1	286.2 -> 165...	47	0.28	1	Morphine-D6	292.2 -> 152...	3.833	15561			
Naloxone	328.2 -> 309...	5/8/2018 11:00 AM	4.614	248	1.86	1	328.2 -> 211...			1	Naloxone-D5	333.2 -> 315...	4.553	79940			
Naltrexol	344.2 -> 326...	5/8/2018 11:00 AM	4.714	5636	5.85	1	344.2 -> 308...			1	Naltrexol-D3	347.2 -> 329...	4.775	206870			
Naltrexone	342.2 -> 324...	5/8/2018 11:00 AM				1	342.2 -> 55.3			1	Naltrexone-D3	345.2 -> 327...	4.714	251215			
Norbuprenorphine	414.3 -> 101...	5/8/2018 11:00 AM	5.831	571	142.97	1	414.3 -> 57.3			1	Norbuprenorphine-D3	417.3 -> 101...	5.607	5910			
Nordiazepam	271.1 -> 140...	5/8/2018 11:00 AM	6.293	264	128.97	1	271.1 -> 208...	169...	2.59	1	Nordiazepam-D5	276.1 -> 140...	6.373	87339			
Norfentanyl	233.2 -> 84.2	5/8/2018 11:00 AM	5.197	42	0.38	1	233.2 -> 55.3	154	1.44	1	Norfentanyl-D5	238.2 -> 84.2	5.176	680483			
Norhydrocodone	286.2 -> 199...	5/8/2018 11:00 AM				1	286.2 -> 171...			1	Norhydrocodone-D3	289.2 -> 202...	4.802	71338			
Noroxycodone	302.1 -> 284...	5/8/2018 11:00 AM	4.719	294	1.32	1	302.1 -> 186...			1	Noroxycodone-D3	305.2 -> 287...	4.739	86674			
O-desmethyl-tramadol	250.2 -> 58.3	5/8/2018 11:00 AM	4.850	16498	1.35	1	250.2 -> 42.3	844	3.48	1	O-desmethyl-tramadol...	256.2 -> 64.3	4.768	848957			
Oxazepam	287.1 -> 240...	5/8/2018 11:00 AM	6.127	170	5.83	1	287.1 -> 268...	296...	0.91	1	Oxazepam-D5	292.1 -> 246...	6.207	68118			
Oxycodone	316.2 -> 298...	5/8/2018 11:00 AM	4.798	672	Infinity	1	316.2 -> 241...	265	137.68	1	Oxycodone-D6	322.2 -> 304...	4.757	197564			
Oxymorphone	302.1 -> 284...	5/8/2018 11:00 AM				1	302.1 -> 227...			1	Oxymorphone-D3	305.2 -> 287...	3.991	280922			
Phentermine	150.1 -> 65.2	5/8/2018 11:00 AM				1	150.1 -> 133...			1	Phentermine-D5	155.2 -> 96.2	4.955	279054			
Promethazine	285.1 -> 86.2	5/8/2018 11:00 AM	6.005	409	2.90	1	285.1 -> 71.3			1	Promethazine-D3	288.2 -> 89.2	6.004	986577			
Quetiapine	384.2 -> 253...	5/8/2018 11:00 AM				1	384.2 -> 221...			1	Quetiapine-D8	392.2 -> 226...	5.953	241620			
Sertraline	306.1 -> 158...	5/8/2018 11:00 AM	6.003	131	1.03	1	306.1 -> 275...	106...	5.07	1	Sertraline-D3	309.1 -> 275...	6.225	479547			
Sufentanil	387.2 -> 238...	5/8/2018 11:00 AM	5.974	838	159.55	1	387.2 -> 111...	472	252.50	1	Sufentanil-D5	392.2 -> 238...	5.973	262501			
Temazepam	301.1 -> 255...	5/8/2018 11:00 AM	6.207	1025	196.59	1	301.1 -> 283...			1	Temazepam-D5	306.1 -> 260...	6.348	660747			

Compound method				p   negative reinject Results				Qualifier   M...				ISID method				ISID Results	
Name	Transition	Acq. Date-Time	RT	Resp	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp	RT	Resp	
Tramadol	264.2 -> 58.3	5/8/2018 11:00 AM	5.295	16320	1.30	264.2 -> 43.3	258	0.34	268.2 -> 58.3	5.275	17355...						
Trazodone	372.2 -> 176...	5/8/2018 11:00 AM	5.853	2328	4.96	372.2 -> 148...	835	0.92	378.2 -> 182...	5.832	576551						
Venlafaxine	278.2 -> 58.3	5/8/2018 11:00 AM				278.2 -> 260...			284.2 -> 64.3	5.599	749380						
Zolpidem	308.2 -> 235...	5/8/2018 11:00 AM	5.616	247	61.51	308.2 -> 263...	686	2.62	314.2 -> 235...	5.594	14323...						

Compound method			p2 cal id reinject			p2 cal id reinject results			Qualifier 1 M...			ISID method			ISID results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.		
7-aminoflunitrazepam	284.1 -> 135...	5/8/2018 10:50 AM	5.609	24190	95.17	284.1 -> 93.2	2502	12.22	7-aminoflunitrazepam-D7	291.2 -> 138...	5.587	164862				
alpha-hydroxymidazolam	342.1 -> 324...	5/8/2018 10:50 AM	6.230	75839	823.85	342.1 -> 203...	30656	97.25	alpha-hydroxymidazolam...	346.1 -> 328...	6.230	358463				
Amitriptyline	278.2 -> 91.2	5/8/2018 10:50 AM	6.099	18790	27.23	278.2 -> 105...	68274	52.29	Amitriptyline-D3	281.2 -> 91.2	6.098	503153				
Amoxapine	314.1 -> 271...	5/8/2018 10:50 AM	6.071	49746	349.74	314.1 -> 193...	28373	491.81	Amitriptyline-D3	281.2 -> 91.2	6.098	503153				
Benzoylcegonine	290.1 -> 168...	5/8/2018 10:50 AM	5.260	17518	5030.92	290.1 -> 105...	8986	21.13	Benzoylcegonine-D8	298.2 -> 171...	5.238	5963				
Carbamazepine	237.1 -> 193...	5/8/2018 10:50 AM	5.982	29506	38.89	237.1 -> 194...	1995...	170.79	Carbamazepine-13C6	243.1 -> 200...	5.981	1198674				
Chlordiazepoxide	300.1 -> 227...	5/8/2018 10:50 AM	6.339	25459	Infinity	300.1 -> 282...	24116	16.66	Chlordiazepoxide-D5	305.1 -> 286...	6.318	516272				
Clomipramine	315.2 -> 86.2	5/8/2018 10:50 AM	6.274	273274	110351...	315.2 -> 58.3	1530...	36845...	Clomipramine-D3	318.2 -> 89.2	6.274	889483				
Cocaine	304.2 -> 182...	5/8/2018 10:50 AM	5.400	119342	61.18	304.2 -> 105...	20121	16.38	Cocaine-D3	307.2 -> 185...	5.400	482737				
Desipramine	267.2 -> 72.3	5/8/2018 10:50 AM	6.060	263338	964.07	267.2 -> 44.3	98603	103.07	Desipramine-D3	270.2 -> 75.3	6.060	558890				
Doxepin	280.2 -> 107...	5/8/2018 10:50 AM	5.874	52781	166.91	280.2 -> 77.2	22669	22.32	Doxepin-D3	283.2 -> 107...	5.873	137682				
Estazolam	295.1 -> 267...	5/8/2018 10:50 AM	6.239	80775	268.16	295.1 -> 205...	45052	92.19	Estazolam-D5	300.1 -> 272...	6.217	592796				
Flunitrazepam	314.1 -> 268...	5/8/2018 10:50 AM	6.275	89102	49.70	314.1 -> 239...	22820	110.07	Flunitrazepam-D7	321.1 -> 245...	6.254	35744				
Flurazepam	388.2 -> 315...	5/8/2018 10:50 AM	5.863	138372	273.28	388.2 -> 317...	20710	55.70	Zopiclone-D4	393.1 -> 244...	5.538	43192				
Imipramine	281.2 -> 86.2	5/8/2018 10:50 AM	6.078	283758	149731...	281.2 -> 58.3	1493...	30072...	Imipramine-D3	284.2 -> 61.3	6.077	1006687				
Levamisole	205.1 -> 91.2	5/8/2018 10:50 AM	4.765	31228	29.21	205.1 -> 178...	37433	134.06	Cocaine-D3	307.2 -> 185...	5.400	482737				
<b>Maprotiline</b>	<b>278.2 -&gt; 91.2</b>	<b>5/8/2018 10:50 AM</b>	<b>5.833</b>	<b>102218</b>	<b>172.10</b>	<b>278.2 -&gt; 117...</b>	<b>267</b>	<b>31.44</b>	<b>Meperidine-D4</b>	<b>252.2 -&gt; 224...</b>	<b>5.409</b>	<b>124646</b>				
MDA	180.1 -> 163...	5/8/2018 10:50 AM	4.827	24390	10561.15	180.1 -> 105...	12802	51.32	MDA-D5	185.1 -> 168...	4.807	53777				
MDEA	208.1 -> 163...	5/8/2018 10:50 AM	5.088	131944	199.27	208.1 -> 105...	53634	326.93	MDEA-D6	214.2 -> 166...	5.088	477277				
MDMA	194.1 -> 163...	5/8/2018 10:50 AM	4.927	65351	94.35	194.1 -> 105...	35357	28823...	MDMA-D6	200.2 -> 166...	4.907	24567				
Meperidine	248.2 -> 220...	5/8/2018 10:50 AM	5.410	39407	83.33	248.2 -> 174...	45662	931.87	Meperidine-D4	252.2 -> 224...	5.409	124646				
Methylphenidate	234.2 -> 84.2	5/8/2018 10:50 AM	5.350	267356	97.22	234.2 -> 56.3	47775	95.85	Meperidine-D4	252.2 -> 224...	5.409	124646				
Metoprolol	268.2 -> 116...	5/8/2018 10:50 AM	5.304	30160	65.96	268.2 -> 56.3	28982	66.57	Meperidine-D4	252.2 -> 224...	5.409	124646				
Midazolam	326.1 -> 223...	5/8/2018 10:50 AM	6.172	22637	64.80	326.1 -> 249...	18996	90.14	Midazolam-D4	330.1 -> 295...	6.171	383817				
Mirtazapine	266.2 -> 195...	5/8/2018 10:50 AM	5.510	107075	362.04	266.2 -> 72.3	85719	65.09	Midazolam-D4	330.1 -> 295...	6.171	383817				
Mitragynine	399.2 -> 174...	5/8/2018 10:50 AM	5.862	57552	178.80	399.2 -> 238...	10719	41.09	Carbamazepine-13C6	243.1 -> 200...	5.981	1198674				
Normeperidine	234.1 -> 42.3	5/8/2018 10:50 AM	5.432	52047	62113.79	234.1 -> 160...	24683	142.94	Normeperidine-D4	238.2 -> 164...	5.431	415544				
Norpropoxyphene	326.2 -> 44.3	5/8/2018 10:50 AM	5.967	15690	90.40	326.2 -> 252...	4676	27.59	Norpropoxyphene-D5	331.2 -> 44.3	5.967	81647				
Nortriptyline	264.2 -> 91.2	5/8/2018 10:50 AM	6.102	85683	Infinity	264.2 -> 233...	79257	Infinity	Nortriptyline-D3	267.2 -> 233...	6.100	386616				
Ondansetron	294.2 -> 184...	5/8/2018 10:50 AM	5.545	79631	1364.43	294.2 -> 212...	14670	68.84	Pentazocine-13C3	289.2 -> 72.3	5.485	702404				
Pentazocine	286.2 -> 218...	5/8/2018 10:50 AM	5.506	96397	595.63	286.2 -> 41.3	56210	111.04	Pentazocine-13C3	289.2 -> 72.3	5.485	702404				
Phenazepam	349.0 -> 206...	5/8/2018 10:50 AM	6.330	18962	42.67	349.0 -> 183...	20010	66.72	Phenazepam-D4	353.0 -> 183...	6.310	11033				
Phencyclidine	244.2 -> 86.2	5/8/2018 10:50 AM	5.696	55516	186.75	244.2 -> 91.1	60338	126.16	Phencyclidine-D5	249.2 -> 86.2	5.695	485830				
Phenytol	253.1 -> 104...	5/8/2018 10:50 AM	5.897	2159	6.58	253.1 -> 182...	1714	3.67	Phenytol-D10	263.2 -> 192...	5.877	15335				
Prazepam	325.1 -> 271...	5/8/2018 10:50 AM	6.780	292511	973.43	325.1 -> 140...	94446	276.38	Prazepam-D5	330.1 -> 276...	6.757	1627494				
Primidone	219.1 -> 91.2	5/8/2018 10:50 AM	5.311	10130	9.92	219.1 -> 162...	5564	12.60	Prazepam-D5	330.1 -> 276...	6.757	1627494				
Propoxyphene	340.2 -> 58.3	5/8/2018 10:50 AM	5.966	190786	408.11	340.2 -> 266...	23714	105.80	Propoxyphene-D11	351.3 -> 277...	5.965	84936				
Pseudoephedrine	166.1 -> 148...	5/8/2018 10:50 AM	4.464	822679	150.94	166.1 -> 133...	1881...	110.38	Pseudoephedrine-D3	169.1 -> 151...	4.444	290266				
Tapentadol	222.2 -> 107...	5/8/2018 10:50 AM	5.290	117562	116.38	222.2 -> 121...	58335	62.20	Tapentadol-D3	225.2 -> 107...	5.290	575628				
Trimipramine	295.2 -> 100...	5/8/2018 10:50 AM	6.136	274253	72253.39	295.2 -> 58.3	1647...	38259...	Trimipramine-D3	298.2 -> 103...	6.136	1623806				
Verapamil	455.3 -> 165...	5/8/2018 10:50 AM	5.943	197845	344.90	455.3 -> 150...	67763	143.60	Trimipramine-D3	298.2 -> 103...	6.136	1623806				
Zaleplon	306.1 -> 236...	5/8/2018 10:50 AM	6.073	75862	150.73	306.1 -> 264...	90278	1357.78	Zaleplon-D4	310.2 -> 240...	6.072	194496				
Zopiclone	389.1 -> 244...	5/8/2018 10:50 AM	5.538	7159	27.36	389.1 -> 216...	2179	10.62	Zopiclone-D4	393.1 -> 244...	5.538	43192				

Did not evaluate Maprotiline due to low response and signal to noise.

Compounda wainoaa				pZ external control reinject Ke...				Quaimer I Results				ISILU wainoaa				ISILU Results				
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	S/N	MI	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	5/8/2018 11:29 AM	5.609	2376	8.19	1	284.1 -> 93.2	268	2.94	1	7-aminoflunitrazepam-D7	291.2 -> 138...	5.607	209456	2.94	1	7-aminoflunitrazepam-D7	291.2 -> 138...	5.607	209456
alpha-hydroxymidazolam	342.1 -> 324...	5/8/2018 11:29 AM	6.291	103	0.36	1	342.1 -> 203...			1	alpha-hydroxymidazolam-	346.1 -> 328...	6.230	485373	0.36	1	alpha-hydroxymidazolam-	346.1 -> 328...	6.230	485373
Amitriptyline	278.2 -> 91.2	5/8/2018 11:29 AM	6.221	2844	0.90	1	278.2 -> 105...			1	Amitriptyline-D3	281.2 -> 91.2	6.118	647993	0.90	1	Amitriptyline-D3	281.2 -> 91.2	6.118	647993
Amoxapine	314.1 -> 271...	5/8/2018 11:29 AM	6.275	1314	6.16	1	314.1 -> 193...	8887	5058...	1	Amitriptyline-D3	281.2 -> 91.2	6.118	647993	6.16	1	Amitriptyline-D3	281.2 -> 91.2	6.118	647993
Benzoyllecgonine	290.1 -> 168...	5/8/2018 11:29 AM	5.260	409	3.04	1	290.1 -> 105...	158	0.88	1	Benzoyllecgonine-D8	298.2 -> 171...	5.238	8710	3.04	1	Benzoyllecgonine-D8	298.2 -> 171...	5.238	8710
Carbamazepine	237.1 -> 193...	5/8/2018 11:29 AM	6.084	267	2.14	1	237.1 -> 194...	1464	0.86	1	Carbamazepine-13C6	243.1 -> 200...	5.981	15919...	2.14	1	Carbamazepine-13C6	243.1 -> 200...	5.981	15919...
Chlordiazepoxide	300.1 -> 227...	5/8/2018 11:29 AM	6.258	782	1.40	1	300.1 -> 282...	893	1.02	1	Chlordiazepoxide-D5	305.1 -> 286...	6.318	735702	1.40	1	Chlordiazepoxide-D5	305.1 -> 286...	6.318	735702
Clomipramine	315.2 -> 86.2	5/8/2018 11:29 AM	6.295	216	0.63	1	315.2 -> 58.3	710	230.68	1	Clomipramine-D3	318.2 -> 89.2	6.274	11738...	0.63	1	Clomipramine-D3	318.2 -> 89.2	6.274	11738...
Cocaine	304.2 -> 182...	5/8/2018 11:29 AM	5.421	4327	3.21	1	304.2 -> 105...	244	2.00	1	Cocaine-D3	307.2 -> 185...	5.400	669482	3.21	1	Cocaine-D3	307.2 -> 185...	5.400	669482
Desipramine	267.2 -> 72.3	5/8/2018 11:29 AM	6.121	1855	3.68	1	267.2 -> 44.3	4911	4.77	1	Desipramine-D3	270.2 -> 75.3	6.060	681121	3.68	1	Desipramine-D3	270.2 -> 75.3	6.060	681121
Doxepin	280.2 -> 107...	5/8/2018 11:29 AM	5.915	197	1.30	1	280.2 -> 77.2	7981	6.56	1	Doxepin-D3	283.2 -> 107...	5.873	195308	1.30	1	Doxepin-D3	283.2 -> 107...	5.873	195308
Estazolam	295.1 -> 267...	5/8/2018 11:29 AM	6.239	315	0.42	1	295.1 -> 205...	303	1.98	1	Estazolam-D5	300.1 -> 272...	6.237	863717	0.42	1	Estazolam-D5	300.1 -> 272...	6.237	863717
Flunitrazepam	314.1 -> 268...	5/8/2018 11:29 AM	6.295	3110	6.59	1	314.1 -> 239...	292	1.19	1	Flunitrazepam-D7	321.1 -> 245...	6.254	54700	6.59	1	Flunitrazepam-D7	321.1 -> 245...	6.254	54700
Flurazepam	388.2 -> 315...	5/8/2018 11:29 AM	5.640	200	1.40	1	388.2 -> 317...			1	Zopiclone-D4	393.1 -> 244...	5.538	112976	1.40	1	Zopiclone-D4	393.1 -> 244...	5.538	112976
Imipramine	281.2 -> 86.2	5/8/2018 11:29 AM	6.118	2944	13.11	1	281.2 -> 58.3	1170	198.95	1	Imipramine-D3	284.2 -> 61.3	6.077	13724...	13.11	1	Imipramine-D3	284.2 -> 61.3	6.077	13724...
Levamisole	205.1 -> 91.2	5/8/2018 11:29 AM	4.825	144	0.49	1	205.1 -> 178...	54	0.77	1	Cocaine-D3	307.2 -> 185...	5.400	669482	0.49	1	Cocaine-D3	307.2 -> 185...	5.400	669482
Maprotiline	278.2 -> 91.2	5/8/2018 11:29 AM	5.854	531	0.27	1	278.2 -> 117...			1	Meperidine-D4	252.2 -> 224...	5.409	151272	0.27	1	Meperidine-D4	252.2 -> 224...	5.409	151272
MDA	180.1 -> 163...	5/8/2018 11:29 AM	4.888	185	0.64	1	180.1 -> 105...	64	0.38	1	MDA-D5	185.1 -> 168...	4.827	69749	0.64	1	MDA-D5	185.1 -> 168...	4.827	69749
MDEA	208.1 -> 163...	5/8/2018 11:29 AM	4.905	102	1.78	1	208.1 -> 105...	378	2.04	1	MDEA-D6	214.2 -> 166...	5.088	612154	1.78	1	MDEA-D6	214.2 -> 166...	5.088	612154
MDMA	194.1 -> 163...	5/8/2018 11:29 AM	4.968	622	1.04	1	194.1 -> 105...	124	1.00	1	MDMA-D6	200.2 -> 166...	4.927	29550	1.04	1	MDMA-D6	200.2 -> 166...	4.927	29550
Meperidine	248.2 -> 220...	5/8/2018 11:29 AM	5.410	829567	237.32	1	248.2 -> 174...	6895...	651.01	1	Meperidine-D4	252.2 -> 224...	5.409	151272	237.32	1	Meperidine-D4	252.2 -> 224...	5.409	151272
Methylphenidate	234.2 -> 84.2	5/8/2018 11:29 AM	5.432	278	0.66	1	234.2 -> 56.3	230	1.84	1	Meperidine-D4	252.2 -> 224...	5.409	151272	0.66	1	Meperidine-D4	252.2 -> 224...	5.409	151272
Metoprolol	268.2 -> 116...	5/8/2018 11:29 AM	5.304	432937	1546.60	1	268.2 -> 56.3	4512...	934.20	1	Meperidine-D4	252.2 -> 224...	5.409	151272	1546.60	1	Meperidine-D4	252.2 -> 224...	5.409	151272
Midazolam	326.1 -> 223...	5/8/2018 11:29 AM	6.617	93	2.39	1	326.1 -> 249...			1	Midazolam-D4	330.1 -> 295...	6.191	498127	2.39	1	Midazolam-D4	330.1 -> 295...	6.191	498127
Mirtazapine	266.2 -> 195...	5/8/2018 11:29 AM	5.305	357	4.42	1	266.2 -> 72.3	2768	9.69	1	Midazolam-D4	330.1 -> 295...	6.191	498127	4.42	1	Midazolam-D4	330.1 -> 295...	6.191	498127
Mitragynine	399.2 -> 174...	5/8/2018 11:29 AM				399.2 -> 238...				1	Carbamazepine-13C6	243.1 -> 200...	5.981	15919...		1	Carbamazepine-13C6	243.1 -> 200...	5.981	15919...
Normeperidine	234.1 -> 42.3	5/8/2018 11:29 AM	5.167	655	2.94	1	234.1 -> 160...			1	Normeperidine-D4	238.2 -> 164...	5.431	439956	2.94	1	Normeperidine-D4	238.2 -> 164...	5.431	439956
Norpropoxyphene	326.2 -> 44.3	5/8/2018 11:29 AM	5.947	78	13.79	1	326.2 -> 252...			1	Norpropoxyphene-D5	331.2 -> 44.3	5.967	93501	13.79	1	Norpropoxyphene-D5	331.2 -> 44.3	5.967	93501
Nortriptyline	264.2 -> 91.2	5/8/2018 11:29 AM	6.122	688	335.26	1	264.2 -> 233...	247	4.23	1	Nortriptyline-D3	267.2 -> 233...	6.100	401702	335.26	1	Nortriptyline-D3	267.2 -> 233...	6.100	401702
Ondansetron	294.2 -> 184...	5/8/2018 11:29 AM				294.2 -> 212...				1	Pentazocine-13C3	289.2 -> 72.3	5.506	854476		1	Pentazocine-13C3	289.2 -> 72.3	5.506	854476
Pentazocine	286.2 -> 218...	5/8/2018 11:29 AM	5.240	30	0.51	1	286.2 -> 41.3	73	0.28	1	Pentazocine-13C3	289.2 -> 72.3	5.506	854476	0.51	1	Pentazocine-13C3	289.2 -> 72.3	5.506	854476
Phenazepam	349.0 -> 206...	5/8/2018 11:29 AM	6.250	1031	6.36	1	349.0 -> 183...	17	0.12	1	Phenazepam-D4	353.0 -> 183...	6.330	14749	6.36	1	Phenazepam-D4	353.0 -> 183...	6.330	14749
Phencyclidine	244.2 -> 86.2	5/8/2018 11:29 AM	5.574	29	0.46	1	244.2 -> 91.1	231	97.02	1	Phencyclidine-D5	249.2 -> 86.2	5.695	653015	0.46	1	Phencyclidine-D5	249.2 -> 86.2	5.695	653015
Phenytol	253.1 -> 104...	5/8/2018 11:29 AM	5.857	93	10.15	1	253.1 -> 182...			1	Phenytol-D10	263.2 -> 192...	5.877	19583	10.15	1	Phenytol-D10	263.2 -> 192...	5.877	19583
Praxepam	325.1 -> 271...	5/8/2018 11:29 AM	6.759	266	1.58	1	325.1 -> 140...	57	0.84	1	Praxepam-D5	330.1 -> 276...	6.757	23582...	1.58	1	Praxepam-D5	330.1 -> 276...	6.757	23582...
Primidone	219.1 -> 91.2	5/8/2018 11:29 AM	5.987			219.1 -> 162...				1	Praxepam-D5	330.1 -> 276...	6.757	23582...		1	Praxepam-D5	330.1 -> 276...	6.757	23582...
Propoxyphene	340.2 -> 58.3	5/8/2018 11:29 AM	5.987	62	0.39	1	340.2 -> 266...			1	Propoxyphene-D11	351.3 -> 277...	5.965	104639	0.39	1	Propoxyphene-D11	351.3 -> 277...	5.965	104639
Pseudoephedrine	166.1 -> 148...	5/8/2018 11:29 AM				166.1 -> 133...				1	Pseudoephedrine-D3	169.1 -> 151...	4.444	461423		1	Pseudoephedrine-D3	169.1 -> 151...	4.444	461423
Tapentadol	222.2 -> 107...	5/8/2018 11:29 AM	5.351	73	0.32	1	222.2 -> 121...	241	2.28	1	Tapentadol-D3	225.2 -> 107...	5.290	764114	0.32	1	Tapentadol-D3	225.2 -> 107...	5.290	764114
Trimipramine	295.2 -> 100...	5/8/2018 11:29 AM	6.177	384	4.43	1	295.2 -> 58.3			1	Trimipramine-D3	298.2 -> 103...	6.136	21524...	4.43	1	Trimipramine-D3	298.2 -> 103...	6.136	21524...
Verapamil	455.3 -> 165...	5/8/2018 11:29 AM	6.348	225	3.61	1	455.3 -> 150...	72	1.85	1	Trimipramine-D3	298.2 -> 103...	6.136	21524...	3.61	1	Trimipramine-D3	298.2 -> 103...	6.136	21524...
Zaleplon	306.1 -> 236...	5/8/2018 11:29 AM	6.357	272	1.38	1	306.1 -> 264...	480	1.41	1	Zaleplon-D4	310.2 -> 240...	6.072	249638	1.38	1	Zaleplon-D4	310.2 -> 240...	6.072	249638
Zopiclone	389.1 -> 244...	5/8/2018 11:29 AM	5.660	30	0.25	1	389.1 -> 216...			1	Zopiclone-D4	393.1 -> 244...	5.538	112976	0.25	1	Zopiclone-D4	393.1 -> 244...	5.538	112976

Compounda metnoda				pZ negative reinject				pZ negative reinject results				Qualimer I MI...				Qualimer I Results				ISIL metnoda				ISIL Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	MI	S/N	Area	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	Area	S/N	MI	Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135...	5/8/2018 11:09 AM	5.609	1748	7.02	7.02	284.1 -> 93.2	7.02	0.26	47	0.26	7.02	284.1 -> 93.2	47	0.26	7.02	7-aminoflunitrazepam-D7	291.2 -> 138...	5.607	255224	47	0.26	7.02	7-aminoflunitrazepam-D7	291.2 -> 138...	5.607	255224
alpha-hydroxymidazolam	342.1 -> 324...	5/8/2018 11:09 AM	6.169	293	2.64	2.64	342.1 -> 203	2.64	2.93	171	2.93	2.64	342.1 -> 203	171	2.93	2.64	alpha-hydroxymidazolam...	346.1 -> 328...	6.230	453868	171	2.93	2.64	alpha-hydroxymidazolam...	346.1 -> 328...	6.230	453868
Amiripryline	278.2 -> 91.2	5/8/2018 11:09 AM	6.565	2891	0.79	0.79	278.2 -> 105	0.79	1.95	862	1.95	0.79	278.2 -> 105	862	1.95	0.79	Amiripryline-D3	281.2 -> 91.2	6.118	528990	862	1.95	0.79	Amiripryline-D3	281.2 -> 91.2	6.118	528990
Amoxapine	314.1 -> 271...	5/8/2018 11:09 AM	6.295	573	2.81	2.81	314.1 -> 193	2.81	1928	862	1928	2.81	314.1 -> 193	862	1928	2.81	Amiripryline-D3	281.2 -> 91.2	6.118	528990	862	1928	2.81	Amiripryline-D3	281.2 -> 91.2	6.118	528990
Benzoyllecgonine	290.1 -> 168...	5/8/2018 11:09 AM					290.1 -> 105						290.1 -> 105				Benzoyllecgonine-D8	298.2 -> 171...	5.259	8289				Benzoyllecgonine-D8	298.2 -> 171...	5.259	8289
Carbamazepine	237.1 -> 193...	5/8/2018 11:09 AM	6.043	457	3.09	3.09	237.1 -> 194	3.09	1.04	333	1.04	3.09	237.1 -> 194	333	1.04	3.09	Carbamazepine-13C6	243.1 -> 200...	6.002	14921...	333	1.04	3.09	Carbamazepine-13C6	243.1 -> 200...	6.002	14921...
Chlordiazepoxide	300.1 -> 227...	5/8/2018 11:09 AM	6.258	712	4.51	4.51	300.1 -> 282	4.51	7.44	170	7.44	4.51	300.1 -> 282	170	7.44	4.51	Chlordiazepoxide-D5	305.1 -> 286...	6.338	685384	170	7.44	4.51	Chlordiazepoxide-D5	305.1 -> 286...	6.338	685384
Clomipramine	315.2 -> 86.2	5/8/2018 11:09 AM	6.254	343	0.36	0.36	315.2 -> 58.3	0.36	1.13	181	1.13	0.36	315.2 -> 58.3	181	1.13	0.36	Clomipramine-D3	318.2 -> 89.2	6.274	971347	181	1.13	0.36	Clomipramine-D3	318.2 -> 89.2	6.274	971347
Cocaine	304.2 -> 182...	5/8/2018 11:09 AM	5.400	4728	2.90	2.90	304.2 -> 105	2.90	3.66	778	3.66	2.90	304.2 -> 105	778	3.66	2.90	Cocaine-D3	307.2 -> 185...	5.420	615840	778	3.66	2.90	Cocaine-D3	307.2 -> 185...	5.420	615840
Desipramine	267.2 -> 72.3	5/8/2018 11:09 AM	6.080	2361	10.25	10.25	267.2 -> 44.3	10.25	7.33	413	7.33	10.25	267.2 -> 44.3	413	7.33	10.25	Desipramine-D3	270.2 -> 75.3	6.080	592003	413	7.33	10.25	Desipramine-D3	270.2 -> 75.3	6.080	592003
Doxepin	280.2 -> 107...	5/8/2018 11:09 AM	5.874	92	1.28	1.28	280.2 -> 77.2	1.28	Infinity	719	Infinity	1.28	280.2 -> 77.2	719	Infinity	1.28	Doxepin-D3	283.2 -> 107...	5.893	161973	719	Infinity	1.28	Doxepin-D3	283.2 -> 107...	5.893	161973
Estazolam	295.1 -> 267...	5/8/2018 11:09 AM	6.726	117	0.60	0.60	295.1 -> 205	0.60	3.29	473	3.29	0.60	295.1 -> 205	473	3.29	0.60	Estazolam-D5	300.1 -> 272...	6.237	826714	473	3.29	0.60	Estazolam-D5	300.1 -> 272...	6.237	826714
Flunitrazepam	314.1 -> 268...	5/8/2018 11:09 AM	6.315	3203	6.30	6.30	314.1 -> 239	6.30	0.90	214	0.90	6.30	314.1 -> 239	214	0.90	6.30	Flunitrazepam-D7	321.1 -> 245...	6.274	52517	214	0.90	6.30	Flunitrazepam-D7	321.1 -> 245...	6.274	52517
Flurazepam	388.2 -> 315...	5/8/2018 11:09 AM	6.086	226	1.80	1.80	388.2 -> 317	1.80	0.83	31	0.83	1.80	388.2 -> 317	31	0.83	1.80	Zopiclone-D4	393.1 -> 244...	5.558	114981	31	0.83	1.80	Zopiclone-D4	393.1 -> 244...	5.558	114981
Imipramine	281.2 -> 86.2	5/8/2018 11:09 AM	6.139	2299	1259.92	1259.92	281.2 -> 58.3	1259.92	0.25	521	0.25	1259.92	281.2 -> 58.3	521	0.25	1259.92	Imipramine-D3	284.2 -> 61.3	6.077	11219...	521	0.25	1259.92	Imipramine-D3	284.2 -> 61.3	6.077	11219...
Levamisole	205.1 -> 91.2	5/8/2018 11:09 AM	4.704	143	0.88	0.88	205.1 -> 178	0.88				205.1 -> 178					Cocaine-D3	307.2 -> 185...	5.420	615840				Cocaine-D3	307.2 -> 185...	5.420	615840
Maprotiline	278.2 -> 91.2	5/8/2018 11:09 AM	4.827	88	0.56	0.56	278.2 -> 117	0.56				278.2 -> 117					Meperidine-D4	252.2 -> 224...	5.430	143450				Meperidine-D4	252.2 -> 224...	5.430	143450
MDA	180.1 -> 163...	5/8/2018 11:09 AM	4.827	88	0.56	0.56	180.1 -> 105	0.56				180.1 -> 105					MDA-D5	185.1 -> 168...	4.827	70111				MDA-D5	185.1 -> 168...	4.827	70111
MDEA	208.1 -> 163...	5/8/2018 11:09 AM	5.088	251	2.28	2.28	208.1 -> 105	2.28	1.95	425	1.95	2.28	208.1 -> 105	425	1.95	2.28	MDEA-D6	214.2 -> 166...	5.088	567858	425	1.95	2.28	MDEA-D6	214.2 -> 166...	5.088	567858
MDMA	194.1 -> 163...	5/8/2018 11:09 AM	4.887	160	1.70	1.70	194.1 -> 105	1.70				194.1 -> 105					MDMA-D6	200.2 -> 166...	4.927	27705				MDMA-D6	200.2 -> 166...	4.927	27705
Meperidine	248.2 -> 220...	5/8/2018 11:09 AM	5.553	2047	7.73	7.73	248.2 -> 174	7.73	1.40	240	1.40	7.73	248.2 -> 174	240	1.40	7.73	Meperidine-D4	252.2 -> 224...	5.430	143450	240	1.40	7.73	Meperidine-D4	252.2 -> 224...	5.430	143450
Methyphenidate	234.2 -> 84.2	5/8/2018 11:09 AM	5.493	335	0.54	0.54	234.2 -> 56.3	0.54	0.68	223	0.68	0.54	234.2 -> 56.3	223	0.68	0.54	Meperidine-D4	252.2 -> 224...	5.430	143450	223	0.68	0.54	Meperidine-D4	252.2 -> 224...	5.430	143450
Metoprolol	268.2 -> 116...	5/8/2018 11:09 AM					268.2 -> 56.3					268.2 -> 56.3					Meperidine-D4	252.2 -> 224...	5.430	143450				Meperidine-D4	252.2 -> 224...	5.430	143450
Midazolam	326.1 -> 223...	5/8/2018 11:09 AM	6.172	69	0.41	0.41	326.1 -> 249	0.41				326.1 -> 249					Midazolam-D4	330.1 -> 295...	6.191	485108				Midazolam-D4	330.1 -> 295...	6.191	485108
Mirtazapine	266.2 -> 195...	5/8/2018 11:09 AM	5.284	79	0.65	0.65	266.2 -> 72.3	0.65				266.2 -> 72.3					Midazolam-D4	330.1 -> 295...	6.191	485108				Midazolam-D4	330.1 -> 295...	6.191	485108
Mitragynine	399.2 -> 174...	5/8/2018 11:09 AM					399.2 -> 238					399.2 -> 238					Carbamazepine-13C6	243.1 -> 200...	6.002	14921...				Carbamazepine-13C6	243.1 -> 200...	6.002	14921...
Normeperidine	234.1 -> 42.3	5/8/2018 11:09 AM	5.514	392	1.40	1.40	234.1 -> 160	1.40	0.84	113	0.84	1.40	234.1 -> 160	113	0.84	1.40	Normeperidine-D4	238.2 -> 164...	5.431	373982	113	0.84	1.40	Normeperidine-D4	238.2 -> 164...	5.431	373982
Norpropoxyphene	326.2 -> 44.3	5/8/2018 11:09 AM	5.988	111	0.89	0.89	326.2 -> 252	0.89				326.2 -> 252					Norpropoxyphene-D5	331.2 -> 44.3	5.987	80771				Norpropoxyphene-D5	331.2 -> 44.3	5.987	80771
Nortriptyline	264.2 -> 91.2	5/8/2018 11:09 AM	6.365	993	1.35	1.35	264.2 -> 233	1.35	0.33	19	0.33	1.35	264.2 -> 233	19	0.33	1.35	Nortriptyline-D3	267.2 -> 233...	6.121	370367	19	0.33	1.35	Nortriptyline-D3	267.2 -> 233...	6.121	370367
Ondansetron	294.2 -> 184...	5/8/2018 11:09 AM					294.2 -> 212					294.2 -> 212					Pentazocine-13C3	289.2 -> 72.3	5.506	786535				Pentazocine-13C3	289.2 -> 72.3	5.506	786535
Pentazocine	286.2 -> 218...	5/8/2018 11:09 AM					286.2 -> 41.3					286.2 -> 41.3					Pentazocine-13C3	289.2 -> 72.3	5.506	786535				Pentazocine-13C3	289.2 -> 72.3	5.506	786535
Phenazepam	349.0 -> 206...	5/8/2018 11:09 AM	6.270	739	10.65	10.65	349.0 -> 183	10.65				349.0 -> 183					Phenazepam-D4	353.0 -> 183...	6.330	12081				Phenazepam-D4	353.0 -> 183...	6.330	12081
Phencyclidine	244.2 -> 86.2	5/8/2018 11:09 AM	5.696	183	0.57	0.57	244.2 -> 91.1	0.57	2.44	560	2.44	0.57	244.2 -> 91.1	560	2.44	0.57	Phencyclidine-D5	249.2 -> 86.2	5.695	539174	560	2.44	0.57	Phencyclidine-D5	249.2 -> 86.2	5.695	539174
Phenyletoin	253.1 -> 104...	5/8/2018 11:09 AM					253.1 -> 182					253.1 -> 182					Phenyletoin-D10	263.2 -> 192...	5.897	12225				Phenyletoin-D10	263.2 -> 192...	5.897	12225
Praxepam	325.1 -> 271...	5/8/2018 11:09 AM	7.263	70	0.38	0.38	325.1 -> 140	0.38	1.10	154	1.10	0.38	325.1 -> 140	154	1.10	0.38	Praxepam-D5	330.1 -> 276...	6.778	20653...	154	1.10	0.38	Praxepam-D5	330.1 -> 276...	6.778	20653...
Primidone	219.1 -> 91.2	5/8/2018 11:09 AM	5.536	866	0.37	0.37	219.1 -> 162	0.37				219.1 -> 162					Praxepam-D5	330.1 -> 276...	6.778	20653...				Praxepam-D5	330.1 -> 276...	6.778	20653...
Propoxyphene	340.2 -> 58.3	5/8/2018 11:09 AM	5.926	198	1.70	1.70	340.2 -> 266	1.70				340.2 -> 266					Propoxyphene-D11	351.3 -> 277...	5.985	92356			</				